

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **2000127611 A**

(43) Date of publication of application: **09 . 05 . 00**

(51) Int. Cl.

**B41M 5/00**  
**D06M 15/333**

(21) Application number: **10303891**

(22) Date of filing: **26 . 10 . 98**

(71) Applicant: **DAICEL CHEM IND LTD**

(72) Inventor: **OMURA MASAYA**  
**NAKATSUKA NOBUYUKI**  
**MIZUMOTO SEIJI**

(54) **INK IMAGE RECEIVING SHEET AND ITS PRODUCTION**

(57) Abstract:

**PROBLEM TO BE SOLVED:** To obtain a recorded image of high water resistance by giving high ink absorption properties and ink fixing properties to an ink image receiving sheet to be used in an ink-jet system.

**SOLUTION:** An ink image receiving sheet is formed by

treating a nonwoven fabric with a hydrophilic polymer, a crosslinking agent, and as required powder and granular material. A polymer having at least hydroxyl groups such as a modified polyvinyl alcohol (a cellulose derivative, a vinyl polymer, a polysulfone polymer, and others) can be used as the hydrophilic polymer, and a polyvalent carboxylic acid or its acid anhydride can be used as the crosslinking agent.

**COPYRIGHT: (C)2000,JPO**